

Converting Colors

$Yxy(62.6606, 0.2594, 0.3407)$

Have a look what the booklet for
Yxy(62.6606, 0.2594, 0.3407)
contains.

Yxy(62.8068, 0.2592, 0.3404)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(62.8068, 0.2592, 0.3404)

Conversions

Conversions Part 1

Format	Color
Hex	80E0D7
RGB	128, 224, 215
RGB Percent	50%, 88%, 84%
CMY	0.4979, 0.1216, 0.1569
CMYK	0.43, 0.00, 0.04, 0.12
HSL	174°, 61%, 69%
HSV	174°, 43%, 88%
XYZ	47.8247, 62.8068, 73.8773
YIQ	194.2700, -54.3270, -23.1510

Conversions

Conversions Part 2

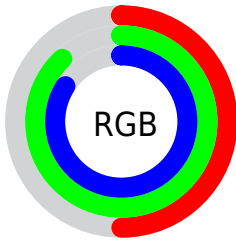
Format	Color
R _Y B	128, 178, 224
Decimal	8446167
CIE Lab	83.34, -30.51, -4.47
CIE LCh	83, 30.831, 188.331
Yxy	62.8068, 0.2592, 0.3404
Android (android.graphics.Color)	4286636247 (0xFF80E0D7)
YUV	194.2700, 10.2199, -58.1188
Hunter-Lab	79.2507, -30.9711, 0.2055

Details

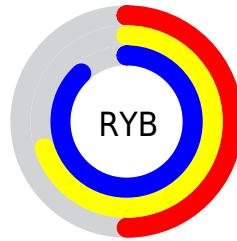
The Yxy color **62.8068, 0.2592, 0.3404** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.1028, 0.4137, 0.3186**, and the grayscale version is **54.0844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **31.8454, 0.2462, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **61.1516, 0.2503, 0.3435**, and if you desaturate by 10%, it is **64.8517, 0.2698, 0.3374**.

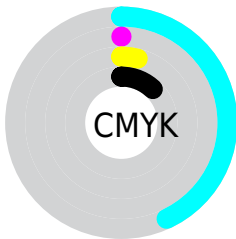
Distribution



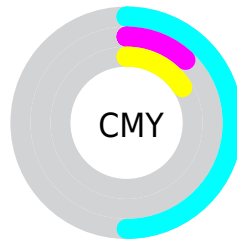
- Red (50%)
- Green (88%)
- Blue (84%)



- Red (50%)
- Yellow (70%)
- Blue (88%)



- Cyan (43%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)





- Cyan (50%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8068, 0.2592, 0.3404 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 62.8068, 0.2592, 0.3404 by changing the saturation by 10% instead.


 62.8068, 0.2592,
0.3404


 62.8068, 0.2592,
0.3404


434.8680, 0.2843,
0.3353

 45.6849, 0.2534,
0.3415


 108.8907, 0.2680,
0.3387

 31.9973, 0.2462,
0.3428


 138.6216, 0.2714,
0.3380

 21.3594, 0.2370,
0.3444

 173.3242, 0.2743,
0.3374

 13.3870, 0.2249,
0.3464

213.3830, 0.2768,
0.3369

 7.6956, 0.2084,
0.3488

259.1824, 0.2790,
0.3365

 3.9008, 0.1844,
0.3518

311.1068, 0.2810,

 1.6182, 0.1449,

0.3360

369.5405, 0.2828,
0.3357

0.3558

0.3698, 0.0000,
0.3409

0.0000, 0.0000,
0.0000

62.8068, 0.2592,
0.3404

62.8068, 0.2592,
0.3404

61.1516, 0.2503,
0.3435

64.8517, 0.2698,
0.3374

59.8533, 0.2431,
0.3467


67.3022, 0.2817,
0.3346

58.8857, 0.2379,
0.3499

70.1819, 0.2948,
0.3320


58.2158, 0.2346,
0.3532


73.5109, 0.3087,
0.3296


 57.8038, 0.2332,
0.3564

 77.3077, 0.3231,
0.3275

 57.6212, 0.2330,
0.3586

 80.1522, 0.3323,
0.3255

 80.2696, 0.3309,
0.3234

 80.3885, 0.3295,
0.3213

 80.5088, 0.3280,
0.3192

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.8068, 0.2905, 0.3762



62.8068, 0.2592, 0.3404



62.8068, 0.2424, 0.3036

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.8068, 0.2592, 0.3404



62.8068, 0.2927, 0.2701



62.8068, 0.3870, 0.3764

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



62.8068, 0.2592, 0.3404



33.1028, 0.4137, 0.3186

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.8068, 0.3886, 0.3467



62.8068, 0.2592, 0.3404



62.8068, 0.3322, 0.2878

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.8068, 0.2592, 0.3404



62.8068, 0.2607, 0.2659



62.8068, 0.3681, 0.3150



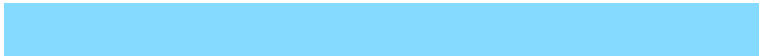
62.8068, 0.3647, 0.3960

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.8068, 0.2592, 0.3404



62.8068, 0.2408, 0.2844



62.8068, 0.3681, 0.3150



62.8068, 0.3901, 0.3672

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



62.8093, 0.2592, 0.3404



94.0468, 0.2945, 0.3321



60.2435, 0.3125, 0.4594



19.9358, 0.2915, 0.3327



0.0000, 0.0000, 0.0000



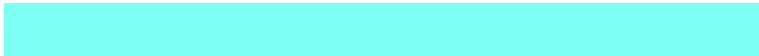
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.8093, 0.2592, 0.3404



82.3336, 0.2515, 0.3430



44.9296, 0.2461, 0.2776



15.5490, 0.2994, 0.3312



33.5485, 0.2328, 0.3582



2.3320, 0.2315, 0.3532

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.1028, 0.4137, 0.3186



37.7258, 0.4460, 0.3169



44.8330, 0.4039, 0.3745



13.7214, 0.3277, 0.3268



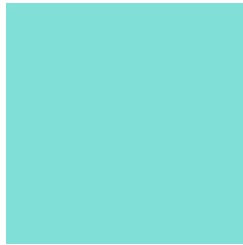
9.2633, 0.6289, 0.3238



0.6494, 0.6013, 0.3086

Previews

White Background



This preview shows how the Yxy color 62.8068, 0.2592, 0.3404 looks on a white background.

Color Contrast Check

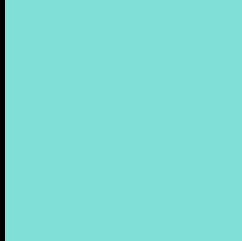
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 62.8068, 0.2592, 0.3404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

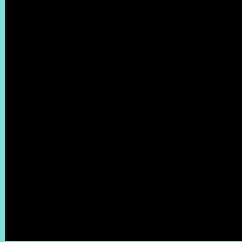
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

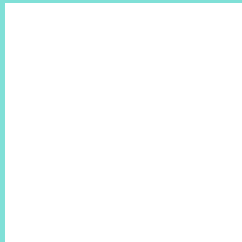
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.8068, 0.2592, 0.3404

Background



This preview shows how black text looks on a background with the Yxy color 62.8068, 0.2592, 0.3404.

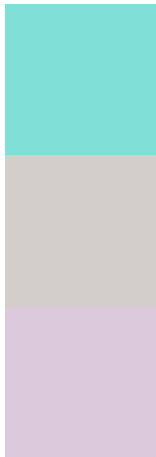


This preview shows how white text looks on a background with the Yxy color 62.8068, 0.2592, 0.3404.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

62.8068, 0.2592, 0.3404

Protanopia

62.3511, 0.3179, 0.3313

Deuteranopia

62.1562, 0.3137, 0.3079



Tritanopia

62.5103, 0.2503, 0.3067

Trichromacy



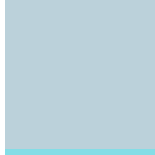
Original Color

62.8068, 0.2592, 0.3404



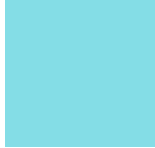
Protanomaly

61.9663, 0.2932, 0.3350



Deuteranomaly

61.2277, 0.2908, 0.3183



Tritanomaly

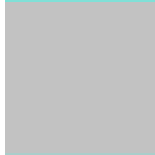
62.3316, 0.2530, 0.3176

Monochromacy



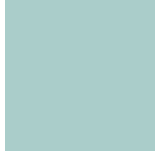
Original Color

62.8068, 0.2592, 0.3404



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

56.4730, 0.2891, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8068, 0.2592, 0.3404 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(128, 224, 215)` looks like.

```
.text, #text, p{  
    color:rgb(128, 224, 215)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(128, 224, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 224, 215) }
```

Border

The CSS property to change the border of an element to Yxy 62.8068, 0.2592, 0.3404 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 224, 215) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(128, 224, 215) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(128, 224, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 224, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 224, 215);  
box-shadow:4px 4px 4px 4px rgb(128, 224,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8068, 0.2592, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 224, 215) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(128,  
224, 215) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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